

Title (en)

INFORMATION PROCESSING DEVICE, INFORMATION PROCESSING DEVICE, AND PROGRAM

Title (de)

INFORMATIONSVERRARBEITUNGSVORRICHTUNG, INFORMATIONSVERRARBEITUNGSVERFAHREN UND PROGRAMM

Title (fr)

DISPOSITIF DE TRAITEMENT D'INFORMATIONS, DISPOSITIF DE TRAITEMENT D'INFORMATIONS, ET PROGRAMME

Publication

EP 3780638 A4 20210519 (EN)

Application

EP 19778135 A 20190318

Priority

- JP 2018059026 A 20180326
- JP 2019011131 W 20190318

Abstract (en)

[origin: US2020413155A1] This information processing apparatus includes: a media reproduction unit that acquires and reproduces video data including a service object, for which a service that processes a request from a user through voice is available; and a controller that adds an additional image for informing the user about the service object to the reproduced video and saves identification information of the video data and information of a start time and an end time of the additional image, as a bookmark that is optionally selected by the user and is provided to a scene with the additional image.

IPC 8 full level

H04N 21/439 (2011.01); **G10L 15/00** (2013.01); **G10L 15/10** (2006.01); **H04M 3/493** (2006.01); **H04N 21/422** (2011.01); **H04N 21/434** (2011.01); **H04N 21/4722** (2011.01); **H04N 21/81** (2011.01); **H04N 21/845** (2011.01)

CPC (source: CN EP KR US)

G06F 16/748 (2018.12 - CN EP); **G06F 16/7834** (2018.12 - US); **G06F 16/7837** (2018.12 - US); **G06F 16/9562** (2018.12 - CN EP); **G10L 15/00** (2013.01 - CN EP); **G10L 15/10** (2013.01 - EP KR); **G10L 15/22** (2013.01 - KR); **H04N 21/42203** (2013.01 - CN EP US); **H04N 21/4348** (2013.01 - CN EP); **H04N 21/435** (2013.01 - KR); **H04N 21/439** (2013.01 - KR); **H04N 21/4394** (2013.01 - CN EP); **H04N 21/4722** (2013.01 - CN EP); **H04N 21/8133** (2013.01 - CN EP US); **H04N 21/84** (2013.01 - US); **H04N 21/8455** (2013.01 - CN EP); **H04N 21/8456** (2013.01 - US); **H04M 3/4936** (2013.01 - CN EP)

Citation (search report)

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- [Y] US 2011126105 A1 20110526 - ISOZU MASAACKI [JP]
- [Y] US 8161172 B2 20120417 - REISMAN RICHARD [US]
- [Y] WO 2016203726 A1 20161222 - SONY CORP [JP]
- [A] US 2014250479 A1 20140904 - LEE JOONHUI [KR], et al
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- See references of WO 2019188485A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

US 11405698 B2 20220802; **US 2020413155 A1 20201231**; CN 111869225 A 20201030; CN 111869225 B 20230502; CN 116248937 A 20230609; EP 3780638 A1 20210217; EP 3780638 A4 20210519; JP 2023082098 A 20230613; JP 7256173 B2 20230411; JP 7438486 B2 20240227; JP WO2019188485 A1 20210408; KR 20200135324 A 20201202; US 11765442 B2 20230919; US 2022329919 A1 20221013; US 2023336842 A1 20231019; WO 2019188485 A1 20191003

DOCDB simple family (application)

US 201916975924 A 20190318; CN 201980020562 A 20190318; CN 202310272428 A 20190318; EP 19778135 A 20190318; JP 2019011131 W 20190318; JP 2020510690 A 20190318; JP 2023053357 A 20230329; KR 20207026278 A 20190318; US 202217851912 A 20220628; US 202318211037 A 20230616